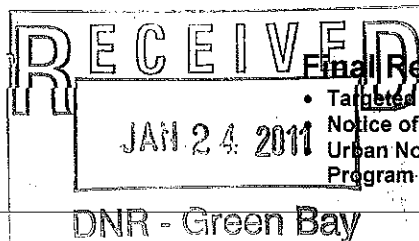


Wisconsin Department of Natural Resources
Bureau of Watershed Management (WT/3)
101 S. Webster St.
Madison, WI 53703
PO Box 7921
Madison, WI 53707-7921



Final Report Form 3400-189 (rev. 7/30/09)

- Targeted Runoff Management Grant Program (ch. NR 153)
- Notice of Discharge Program (ch. NR 153)
- Urban Nonpoint Source & Storm Water Management Grant Program (ch. NR 155)

NOTICE: This Final Report is authorized under ss. 281.65 and 281.66, Wis. Stats., and chs. NR 153 and NR 155, Wis. Admin. Code. Personally identified information collected will be used for program administration and may be made available to requesters as required under Wisconsin Open Records Law [ss. 19.31-19.39, Wis. Stats.].

INSTRUCTIONS: Your grant agreement requires you to submit a Final Report with your final reimbursement request. This Final Report form must be used in conjunction with the "FINAL REPORT INSTRUCTIONS." The instructions detail how to complete and submit the report to DNR as described in the instructions.

1. GRANT TYPE. Check the one that applies.

- ☐ Targeted Runoff Management Grant – Agricultural
- ☒ Urban Nonpoint Source & Storm Water Management Grant – Construction
- ☐ Notice of Discharge Grant
- ☐ Targeted Runoff Management Grant – Urban
- ☐ Urban Nonpoint Source & Storm Water Management Grant – Planning

2. PROJECT NAME & LOCATION.

2.1. Project Name: 41 st and Custer Street Water Quality Pond	2.2. Grant Number: USC-MA02-36251-08	Bureau of Watershed Mgmt
2.3. Governmental Unit Name: City of Manitowoc	2.4. Primary Watershed Name: Lower Manitowoc River	2.5. Watershed Code: MA02

NOTE FOR SECTION 2.6 (which follows):

Section 2.6. includes five (5) columns (A. through E.) for recording data about five (5) discrete site locations. If your grant has more than five (5) discrete project locations, attach additional columns for Section 2.6 as described in the instructions. If your project occurs in more than one 12-digit Hydrologic Unit Code (HUC), use the space in adjacent columns to record other HUC numbers.

2.6. Site Location(s) →	A.	B.	C.	D.	E.
Name of Cost-Share Recipient or Governmental Unit	City of Manitowoc				
Cost-Share Agreement Number (Agricultural only)					
12-Digit Hydrologic Unit Code(s) (HUC) Where Work Was Completed	04030101605				
Nearest Surface Receiving Water Affected					
Name:	Manitowoc River				
Waterbody Identification Code(s) (WBIC):	71000				
Nearest Impaired Water Affected					
Name:	Manitowoc River				
Waterbody Identification Code(s) (WBIC):	71000				
Pollutants Reduced	Total suspended solids, nutrient and heavy metals				
Impairments/Impacts Addressed	Total suspended solids, nutrient and heavy metals				

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Project Location(s) (cont.) →	A.	B.	C.	D.	E.
Project Coordinates:					
Town	19				
Range	23E				
Section	25				
Quarter	NW				
Quarter-Quarter	SW				
Latitude (degrees, minutes, seconds North of Equator; use the DNR's Surface Water Data Viewer (SWDV))	44 5' 13"				
Longitude (degrees, minutes, seconds W of Prime Meridian, use the SWDV)	87 41' 60"				

3. SUMMARY OF RESULTS.

Table A. Agricultural Projects. – Ch. NR 151 Performance Standards and Prohibitions and Other Water Resources Management Priorities

A.1. Management Measures	Units of Measure	Quantity	Measurement Method Used
Sheet, rill and wind erosion	Acres meeting "T"	acres	
Manure Storage Facilities: New Construction/Alterations	Number of facilities	facilities	
	Number of animal units	animal units	
Manure Storage Facilities: Closure	Number of facilities	facilities	
Manure Storage Facilities: Failing/Leaking Facilities	Number of facilities	facilities	
	Number of animal units	animal units	
Clean Water Diversions in WQMA	Pollutant load reduction	lbs.	
	Number of farms with diversions	farms	
	Number animal units	animal units	
Nutrient Management on Agricultural Land	Acres planned	acres	
Prohibition: Manure Storage Overflow	Number of farms	farms	
	Number of animal units	animal units	
Prohibition: Unconfined Manure Pile in WQMA	Number of farms	farms	
Prohibition: Direct Runoff From Feedlot/Stored Manure	Pollutant load reduction	lbs.	
	Number of facilities	facilities	
	Number of animal units	animal units	
Prohibition: Unlimited Livestock Access	Feet of bank protected	feet	
	Number of farms	farms	

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Table A. Agricultural Projects. (continued)			
A.2. Other Management Measures	Units of Measure	Quantity	Measurement Method Used
Streambank & Shoreline Protection	Units (use feet, acres or number as applicable)		
	Pollutant load reduction (if method available)		
Other:	Units (use feet, acres or number as applicable)		
	Pollutant load reduction (if method available)		
Other:	Units (use feet, acres or number as applicable)		
	Pollutant load reduction (if method available)		
Other:	Units (use feet, acres or number as applicable)		
	Pollutant load reduction (if method available)		

Table B. Urban Construction Projects Serving Developed Areas.			
B.1. Required Management Measures	Units of Measure	Quantity	Measurement Method Used
20-40% Total Suspended Solids (TSS) Reduction for NR 216 communities	TSS reduced	25,200 lbs.	P8 Model and WinSLAMM (See attached Memo)
	TSS reduction	66 %	P8 Model and WinSLAMM (See attached Memo)
B.2. Other Management Measures			
20-40% Reduction in TSS for non-NR 216 communities	TSS reduced	lbs.	
	TSS reduction	%	
Infiltration	Pre-development stay-on volume	%	
	Stay-on volume	ft ³ /year	
Peak flow discharge for 2 year/24 hour design storm	Change in cubic feet per second for design year	ft ³ /sec	
Protective areas	Bank protected	feet	
Fueling & maintenance areas	Oily sheen presence reduced	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Streambank & Shoreline Protection	Bank erosion reduced	tons	
	Bank protected	feet	
Other:	Pollutant load reduction (if method available)		
	Units (use feet, acres or number as applicable)		

Table C. Urban Planning Projects.			
C.1. Governmental unit(s) involved (list by name):			
C.2. Estimate total acres covered by the	Existing Developed Urban Areas	New Development	Total Acres

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planning product:	acres	acres	acres
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C.3. Products developed (check all below that apply)		Identify Documents by Name (If applicable)
<input type="checkbox"/> Storm Water Plan		
<input type="checkbox"/> Construction or Erosion Ordinances		
<input type="checkbox"/> Post-construction Storm Water Ordinances		
<input type="checkbox"/> Other Types of Storm Water Quality Ordinances		
<input type="checkbox"/> Financing Methods: identified and evaluated		
<input type="checkbox"/> Financing Methods: developed or implemented		
<input type="checkbox"/> I & E Plan		
<input type="checkbox"/> I & E Implementation Activities		
<input type="checkbox"/> Other:		
C.4. Identify the Storm Water goals addressed (check all that apply)		
<input type="checkbox"/> Reduce TSS	Comments:	
<input type="checkbox"/> Maintain infiltration		
<input type="checkbox"/> Control Peak Flow		
<input type="checkbox"/> Protective Areas		
<input type="checkbox"/> Control of Fueling & Maintenance Areas		
<input type="checkbox"/> Remove Illicit Discharges		
<input type="checkbox"/> Other:		

4. Satisfaction of Notice Requirements. If cost sharing for this project was offered under a formal notice pursuant to chs. NR 151 or 243, provide information for each notice in the table below.

Notice Information				Notice Satisfaction Information		
Chs. NR 151 or 243 Notice Type	Issue Date	From (Name)	To (Name)	Satisfied?		Date Letter Sent
				Yes	No	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	

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5. Additional Information. (Space will expand to fit your text.)

6. Summary of Project Challenges. (Space will expand to fit your text.)

This project, the design and construction of the S. 41st and Custer Street Pond, has taken the City much longer than anticipated. The City knew that wetlands would be an issue on the site prior to starting the design but did not anticipate the extent of the wetlands on the site. Over half of the site ended up being wetlands. Therefore, after many plan modifications to avoid the wetlands, the City was able to work with the WDNR to obtain a Water Quality Certification for this project. The overall construction of the pond went quickly and smoothly. The pond was fully functional by early October 2010. However, it won't be until spring/summer of 2011 before the pond has achieved the desired 70% vegetative cover.

Overall, the City was pleased with the Runoff Management Program. DNR was responsive and very willing to assist the City with questions regarding the implementation of the grant (as this was the City's first construction grant).

7. Grantee Certification.

Checking here ☒ certifies that, to the best of your knowledge, the information contained in this report is correct.

Name of Authorized Representative (type or print) ↓

Valerie Mellon, P.E.

Valerie Mellon, P.E.

Title of Authorized Representative (type or print) ↓

Director of Public Works/City Engineer

Signature of Authorized Representative

Valerie Mellon, P.E.

Date

1/19/11

8. For Departmental Use Only.

Regional NPS Coordinator – Please complete the following:

8.A. Check here ☒ if you have received the following from the project sponsor:


- one (1) printed, signed, original Final Report + attachments
- one (1) electronic version of Final Report.

Send the printed, signed original Final Report with attachments + electronic version to the Community Financial Assistance Grants Manager. Community Financial Assistance will forward to Runoff Management Section Grants Coordinator.

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8.B. Comments about this project:		
8.C. Type or print Name of Regional NPS Coordinator →	Gus Glaser	
8.D. Signature of Regional NPS Coordinator		8.E. Date 05/18/11